



SSE Renewables
Red Oak South
South County Business Park
Leopardstown
Dublin D18 W688

June 2026

Re: Update on proposed Mullafarry Battery Energy Storage System (BESS) at Tawnaghmore Upper

Dear Householder,

I am writing on behalf of the SSE team to provide an update on the proposed Mullafarry Battery Energy Storage System (BESS), which is proposed to be located in the townland of Tawnaghmore Upper, adjacent to our existing 104MW Tawnaghmore Power Station at Killala Business Park.

As you may recall, in April 2025 SSE received planning permission from Mayo County Council for an 80MW / 160MWh BESS at this location. That approved design would be capable of storing electricity for up to two hours at a time and consist of between 26 and 38 battery units, each measuring between 3.4m and 4.5m in height. This followed an earlier grant of planning permission for a battery storage facility at the site in early 2019, which had since expired.

We are now proposing to submit a new planning application for the Mullafarry BESS project to Mayo County Council to reflect a number of updates to the development, including revisions to the project design and capacity, such as the number of battery units and the overall MW / MWh output. The revised proposal comprises an 80MW / 320MWh battery energy storage system, capable of storing and releasing electricity for up to four hours at a time. The facility will consist of battery containers, along with associated heating, ventilation and air conditioning systems and supporting infrastructure, and will include between 36 and 72 battery units. The application also seeks approval for design flexibility to accommodate future advancements in battery technology. The battery containers will range in height from 2.9m to 5.6m and will be installed on concrete plinths and arranged in modular racks to allow for straightforward replacement where required. Grid-scale battery energy storage systems typically use rechargeable lithium-ion technology, which has been safely used for decades in everyday technologies such as mobile phones and electric vehicles. SSE works exclusively with leading battery manufacturers that have a proven track record in safety.

The project will be modest in scale and located within an existing industrial site, with construction expected to be completed within 16 to 20 months. Once operational, Mullafarry BESS will act as a power reserve, supplying electricity when demand exceeds supply, and will provide important services to support the safe and reliable operation of Ireland's electricity grid. Battery storage also plays an important role in supporting Ireland's transition to a lower-carbon electricity system. By providing flexibility to store and release electricity in response to grid needs, it helps manage periods of high renewable generation and higher demand, supporting the efficient integration of wind and solar energy while maintaining a reliable electricity supply. Mullafarry BESS will also contribute commercial rates to Mayo County Council, supporting the delivery of services and infrastructure across the county.

We expect to submit the revised planning application for Mullafarry BESS to Mayo County Council shortly. The application will be publicised through the required sites notices and newspaper advertisements, thereafter the application will be lodged. Following validation by Mayo County Council, the statutory period for formal comments and submissions will open. Subject to the receipt of planning permission and a final investment decision by SSE, it is anticipated that construction could commence in mid-2027, with Mullafarry BESS becoming operational in 2029.

We will continue to keep you informed as our plans progress, with the latest projects updates also available online at www.sserenewables.com/mullafarry.

Should you have any queries in the meantime, please do not hesitate to contact us.

Kind regards,

Tom Burke, Community Liaison Officer, SSE Renewables

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Postal Address: SSE, Tawnaghmore Power Station, Killala Business Park, Co. Mayo, F26 EK25



Map: Site boundary for Mullafarry BESS (red line), adjacent to SSE's Tawnaghmore Power Station.